

STATE OF IDAHO

Department of Fish and Game

Jerry Conley, Director

Quarterly Project Progress Report

CLEARWATER RIVER DEVELOPMENT OF
SPRING CHINOOK AND STEELHEAD STOCKS

Project No. 88E25032

Period Covered: April 1 to June 30, 1980

by

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Clearwater River Development of
Spring Chinook and Steelhead Stocks

ABSTRACT

A total of 1,213,440 spring chinook fry were enumerated from Indian Creek Incubation Channel on the upper Selway River during the spring of 1980. This amounts to a survival percentage of 47.7 from eyed egg to emergent fry.

The Lochsa River received 157,440 spring chinook smolts from Rapid River Hatchery during late April. No chinook smolts were released in the South Fork of the Clearwater River drainage during 1980.

Clearwater River tributaries received a total of 1,819,751 steelhead fry from Dworshak National Fish Hatchery during May and June of 1980.

REPORT OF PROGRESS

Indian Creek Incubation Channel

Trips were made to Indian Creek Incubation Channel on 16 April, 8 May and 2 June to check on fry survival and emergence. We installed the fry trap on 17 April: however, fry did not begin emerging in any significant number until 5 May. Emergence peaked on 21 May when over 117,000 fry were enumerated from the channel.

A total of 1,213,440 spring chinook fry were enumerated from the channel by 27 June when the trap was removed. An estimated 20,000 fry remained in the channel when trapping ceased. This year's emergence percentage of 47.7 is significantly better than the previous five-year average of 39.8 percent. Table 1 summarizes numbers of fry released at various sites on the Selway.

Table 1. Fry distribution from Indian Creek Incuation Channel, 1980

Date	Release Site	Number Released
May 3	At Channel	700
4	At Channel	1,920
5	At Channel	4,800
6	At Channel	5,760
7	At Channel	8,000
8	At Channel	5,120
9	Deep Creek	16,640
10	Magruder Ranger Station	14,720
11	Magruder Crossing	5,760
12	CCC Camp	11,552
13	Paradise	14,288
14	White Cap Creek	18,240

Table 1. Continued

Date	Release Site	Number Released
May 15	Magruder Crossing	42,560
16	Magruder Ranger Station	61,600
17	Beaver Point	42,240
18	Below Cayuse Creek	53,200
19	CCC Camp	94,420
20	Paradise	115,920
21	Magruder Crossing	117,040
22	Beaver Point	101,360
23	Paradise	92,680
24	Magruder Ranger Station	52,500
25	Magruder Crossing	54,040
26	Deep Creek	52,500
27	Beaver Point	42,560
29	Paradise	42,560
30	CCC Camp	18,240
31	Magruder Ranger Station	18,240
June 1	White Cap Creek	18,240
2	Magruder Crossing	10,500
3	Paradise	15,840
6	Magruder Ranger Station	19,200
9	Beaver Point	31,200
13	At Channel	6,600
17	At Channel	1,200
27	At Channel	1,500
Grand Total		1,213,440

Chinook Smolt Releases

A total of 157,440 spring chinook smolt were released into the Lochsa drainage at the mouth of White Sand Creek on 29 and 30 April. Water Temperature was 39°F in the Stream at the time of release. No chinook smolts were released in the South Fork Clearwater drainage during 1980.

Red River Rearing Pond

On 24 June, a total of 293,250 spring chinook fry from Rapid River Hatchery were released into Red River Pond. The Fry averaged 115 per pound at time of release. Water temperature in the pond was 48°F.

Steelhead Fry Releases

A Total of 1,819,751 steelhead fry were released from Dworshak National Hatchery into selected Clearwater River tributaries during the spring of 1980 (Table 3).

Table 2. Spring chinook smolt releases from Rapid River Hatchery into the Clearwater River drainage, 1980

Date	Release Site	Number Released	Number Per Pound
4/29	White Sand Creek Bridge	78,720	16.4
4/30	White Sand Creek Bridge	78,720	16.4
		157,440	

Table 3. Steelhead fry releases from Dworshak National Hatchery into Clearwater River tributaries, 1980

Date	Release Site	Number Released	Number Per Pound
5/14	East Fork Potlatch Creek	100,000	2,000
5/15	Lolo Creek	125,000	2,000
6/17	Squaw Creek (Lochsa)	125,000	1,800
6/17	Papoose Creek (Lochsa)	125,000	1,800
6/17	White Sand Creek (Lochsa)	125,000	1,800
6/17	Crooked Fork Creek (Lochsa)	125,000	1,800
6/18	American River	125,000	1,800
6/18	Crooked River	125,000	1,800
6/18	Newsome Creek	125,000	1,800
6/18	Leggett Creek	125,000	1,800
7/3	Meadow Creek (S. Fk. Clearwater)	279,766	1,077
7/7	Brushy Fork Creek (Lochsa)	314,985	1,077
	Total	1,819,751	